# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | ((gamma adj correct$3) and primitive and cover$3 and (antialias$3 or anti-alias$3 or (anti adj alias$3))).CLM. | US-PGPUB | OR | OFF | 2006/03/30 07:41 |
| L2 | 0 | ((gamma adj correct$3) and primitive and cover$3 and (class or type or kind)).CLM. | US-PGPUB | OR | OFF | 2006/03/30 07:41 |

# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| S178 | 16 | 382/269.ccls. and (primitive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:10 |
| S177 | 8 | 382/264.ccls. and (primitive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:10 |
| S176 | 1 | 382/269.ccls. and (primitive near7 (type or kind)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:10 |
| S175 | 1 | 382/264.ccls. and (primitive near7 (type or kind)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:10 |
| S174 | 5 | 382/269.ccls. and (gamma near3 (correct$3 or adjust$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:10 |
| S173 | 22 | 382/264.ccls. and (gamma near3 (correct$3 or adjust$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:02 |
| S172 | 12 | 382/261.ccls. and (polygon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:02 |
| S171 | 2 | 382/261.ccls. and (primitive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:01 |
| S168 | 0 | 382/261.ccls. and (primitive near7 (type or kind)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:01 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S167 | 18 | 382/261.ccls. and (gamma near3 (correct$3 or adjust$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 15:01 |
| S170 | 0 | 382/261.ccls. and (primitive same (type or kind)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:59 |
| S169 | 0 | 382/261.ccls. and (polygon near7 (type or kind)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:59 |
| S166 | 357 | 382/261.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:50 |
| S162 | 256 | 382/169.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:50 |
| S165 | 1 | (S161 or S162) and ((gamma adj correct$3) and (primitive or polygon) and ((anti-alias$3) or (antialias$3) or ("anti alias$3"))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:48 |
| S164 | 0 | (S161 or S162) and ((gamma adj adjust$4) and (primitive or polygon) and ((anti-alias$3) or (antialias$3) or ("anti alias$3"))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:48 |
| S163 | 0 | (S161 or S162) and (((gamma adj correct$3) near3 (table)) and primitive and cover$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:47 |
| S161 | 1208 | 382/167.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:46 |
| S103 | 0 | (S101 or S102) and (((gamma adj correct$3) near3 (table)) and primitive and cover$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:46 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S160 | 14 | (S157 or S158) and (gamma adj adjust$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S159 | 83 | (S157 or S158) and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S158 | 256 | 345/601.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S157 | 523 | 345/600.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S156 | 0 | ((select$3 near7 primitive near7 (type or kind)) same (gamma near5 adjust$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S96 | 72 | (S94 or S95) and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:41 |
| S120 | 0 | ((select$3 near7 primitive near7 (type or kind)) same (gamma near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:40 |
| S155 | 2 | S154 and ((anti-alias$3) or (antialias$3) or ("anti alias$3")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:39 |
| S154 | 60 | (adaptive$2 near3 filter$3) and (gamma near3 adjust$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:39 |
| S147 | 33 | S146 and ((anti-alias$3) or (antialias$3) or ("anti alias$3")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:39 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S146 | 134 | (adaptive$2 near3 filter$3) and (gamma near3 correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:39 |
| S153 | 1 | S147 and (polygon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:37 |
| S151 | 1 | S146 and (polygon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:37 |
| S150 | 0 | S146 and (primitive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:37 |
| S149 | 0 | S147 and (primitive) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:37 |
| S142 | 23 | 345/599.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:26 |
| S140 | 143 | 345/597.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 14:01 |
| S141 | 27 | 345/598.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:45 |
| S139 | 165 | 345/596.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:45 |
| S138 | 90 | 345/594.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:45 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S85 | 116 | 345/597.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:26 |
| S84 | 154 | 345/596.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:26 |
| S83 | 78 | 345/594.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:26 |
| S137 | 21 | 345/593.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S136 | 106 | 345/589.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S135 | 37 | 345/581.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S134 | 14 | 345/428.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S82 | 20 | 345/593.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S81 | 97 | 345/589.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |
| S80 | 32 | 345/581.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:21 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S79 | 14 | 345/428.ccls. and (gamma adj correct$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:20 |
| S130 | 39 | ((primitive near7 (type or kind)) and (gamma near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:17 |
| S131 | 17 | S130 and antialias$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 12:15 |
| S133 | 0 | S130 and "anti alias$3" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:28 |
| S132 | 38 | S130 and anti-alias$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:28 |
| S129 | 0 | ((select$3 near7 primitive near7 (type or kind)) and (gamma near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:27 |
| S128 | 0 | ((primitive near7 (type or kind)) same (gamma near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:27 |
| S127 | 0 | ((primitive near7 (type or kind)) same (tone near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:27 |
| S125 | 0 | ((primitive near7 (type or kind)) same (tonal near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:27 |
| S124 | 0 | ((select$3 near7 primitive near7 (type or kind)) same (tonal near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:26 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S123 | 0 | ((select$3 near7 primitive near7 (type or kind)) same (tone near5 correct$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:26 |
| S122 | 0 | S121 and gamma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:23 |
| S121 | 14 | ((select$3 near7 primitive near7 (type or kind)) same (antialias$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:23 |
| S119 | 108 | S117 and (gamma same select$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:18 |
| S117 | 252 | S116 and ("345"/$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 11:11 |
| S116 | 404 | (gamma adj correct$3) and cover$3 and (lookup or look-up or "look up") and (primitive or polygon or triangle) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:15 |
| S78 | 227 | S77 and ("345"/$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:15 |
| S115 | 11 | 345/611.ccls. and (gamma same correct$3 same select$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:06 |
| S114 | 31 | 345/611.ccls. and (gamma and cover$3 and (lookup or look-up or "look up")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:05 |
| S76 | 29 | 345/611.ccls. and (gamma and cover$3 and (lookup or look-up or "look up")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:05 |

# EAST Search History

| | | | | | | |
|---|---|---|---|---|---|---|
| S113 | 56 | 345/611.ccls. and gamma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:01 |
| S75 | 49 | 345/611.ccls. and gamma | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:01 |
| S112 | 26 | montrym-john.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 10:00 |
| S111 | 1 | craighead-matthew.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 09:59 |
| S110 | 0 | crow-franklin.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 09:59 |
| S74 | 22 | montrym-john.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 09:59 |
| S73 | 0 | craighead-matthew.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 09:59 |
| S72 | 0 | crow-franklin.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/03/28 09:59 |

# Searching PAJ

MENU | NEWS | HELP

## Search Results : 0

Clear

**Text Search** If you want to conduct a Number Search, please click on the button to the right. Number Search

**Applicant,Title of invention,Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gamma primitive coverage AND

AND

correction AND

AND

AND

AND

**Date of publication of application** --- e.g.19980401 - 19980405

- 

AND

**IPC** --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Copyright (C); 1998,2003 Japan Patent Office

# Searching PAJ

MENU | NEWS | HELP

## Search Results : 0

Clear

**Text Search** If you want to conduct a Number Search, please click on the button to the right. Number Search

**Applicant,Title of invention,Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gamma primitive coverage AND

AND

antialias anti-alias OR

AND

AND

AND

**Date of publication of application** --- e.g.19980401 - 19980405

- 

AND

**IPC** --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Copyright (C); 1998,2003 Japan Patent Office

# Searching PAJ

MENU | NEWS | HELP

## Search Results : 0

Clear

**Text Search** If you want to conduct a Number Search, please click on the button to the right. Number Search

**Applicant,Title of invention,Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gamma primitive coverage AND

AND

fragment OR

AND

AND

AND

**Date of publication of application** --- e.g.19980401 - 19980405

- 

AND

**IPC** --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search Stored data

Copyright (C); 1998,2003 Japan Patent Office

# Searching PAJ

MENU | NEWS | HELP

## Search Results : 0

Clear

**Text Search** If you want to conduct a Number Search, please click on the button to the right. Number Search

**Applicant,Title of invention,Abstract** --- e.g. computer semiconductor

If you use the AND/OR operation, please leave a SPACE between keywords.

One letter word or Stopwords are not searchable.

gamma primitive coverage AND

AND

class type kind OR

AND

AND

AND

**Date of publication of application** --- e.g.19980401 - 19980405

- 

AND

**IPC** --- e.g. D01B7/04 A01C11/02

If you use the OR operation, please leave a SPACE between keywords.

Search | Stored data

Copyright (C); 1998,2003 Japan Patent Office

**RESULT LIST**
0 results found in the Worldwide database for:
**gamma AND primitive AND coverage AND fragment** in the title or abstract
(Results are sorted by date of upload in database)

---

Data supplied from the ***esp@cenet*** database - Worldwide

**RESULT LIST**
0 results found in the Worldwide database for:
**gamma AND primitive AND correction AND antialias** in the title or abstract
(Results are sorted by date of upload in database)

---

Data supplied from the ***esp@cenet*** database - Worldwide

Terms used
**gamma correction primitive coverage antialias anti alias**

Found **34** of **173,942**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 20 of 34 Result page: **1** 2 next

Relevance scale

**1** High speed high quality antialiased vector generation

Anthony C. Barkans

September 1990 **ACM SIGGRAPH Computer Graphics , Proceedings of the 17th annual conference on Computer gra phics and interactive techniques SIGGRAPH '90**, Volume 24 Issue 4

**Publisher:** ACM Press

Full text available: pdf(2.87 MB) Additional Information: full citation, abstract, references, citings, index terms

A vector generation method is described in which a high quality image rendering scheme is coupled with a high speed scan-conversion algorithm.The rendering scheme consists of two parts. First a prefiltering method is used to antialias the vectors. Second a compositing technique is used to compose the vectors into the frame-buffer.The scan-conversion algorithm presented allows a single vector to be scan-converted by a either by a single processor or a set of processors running in parallel. When u ...

**2** Antialiasing of curves by discrete pre-filtering

A. E. Fabris, A. R. Forrest

August 1997 **Proceedings of the 24th annual conference on Computer graphics and interactive techniques**

**Publisher:** ACM Press/Addison-Wesley Publishing Co.

Full text available: pdf(92.37 KB) Additional Information: full citation, references, citings, index terms

**Keywords**: Be´zier curves, pre-filtering

**3** Reality Engine graphics

Kurt Akeley

September 1993 **Proceedings of the 20th annual conference on Computer graphics and interactive techniques**

**Publisher:** ACM Press

Full text available: pdf(192.63 KB) Additional Information: full citation, references, citings, index terms

**4** High dynamic range imaging

Paul Debevec, Erik Reinhard, Greg Ward, Sumanta Pattanaik

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

**Publisher:** ACM Press

Full text available: pdf(20.22 MB) Additional Information: full citation, abstract

Current display devices can display only a limited range of contrast and colors, which is

one of the main reasons that most image acquisition, processing, and display techniques use no more than eight bits per color channel. This course outlines recent advances in high-dynamic-range imaging, from capture to display, that remove this restriction, thereby enabling images to represent the color gamut and dynamic range of the original scene rather than the limited subspace imposed by current monitor ...

5 Collision detection and proximity queries



Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
**Publisher:** ACM Press
Full text available: pdf(11.22 MB) Additional Information: full citation, abstract

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

6 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
**Publisher:** IBM Press
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

7 DIVA: a reliable substrate for deep submicron microarchitecture design

Todd M. Austin
November 1999 **Proceedings of the 32nd annual ACM/IEEE international symposium on Microarchitecture**
**Publisher:** IEEE Computer Society
Full text available: pdf(1.47 MB) Publisher Site Additional Information: full citation, abstract, references, citings, index terms

Building a high-performance microprocessor presents many reliability challenges. Designers must verify the correctness of large complex systems and construct implementations that work reliably in varied (and occasionally adverse) operating conditions. To further complicate this task, deep submicron fabrication technologies present new reliability challenges in the form of degraded signal quality and logic failures caused by natural radiation interference.

8 Query evaluation techniques for large databases



Goetz Graefe
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2
**Publisher:** ACM Press
Full text available: pdf(9.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

**Keywords**: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of

parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

9 Projectors: advanced graphics and vision techniques

Ramesh Raskar

August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

**Publisher:** ACM Press

Full text available: pdf(6.53 MB) Additional Information: full citation

10 Micro patterns in Java code

Joseph (Yossi) Gil, Itay Maman

October 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05**, Volume 40 Issue 10

**Publisher:** ACM Press

Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references, index terms

Micro patterns are similar to *design patterns*, except that micro patterns are stand at a lower, closer to the implementation, level of abstraction. Micro patterns are also unique in that they are mechanically recognizable, since each such pattern can be expressed as a formal condition on the structure of a class.This paper presents a catalog of 27 micro-patterns defined on Java classes and interfaces. The catalog captures a wide spectrum of common programming practices, including a partic ...

**Keywords**: design patterns, implementation patterns, object-oriented programming, program analysis

11 Development of an APL standard

A. D. Falkoff, D. L. Orth

May 1979 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL: part 2 APL '79**, Volume 9 Issue 4

**Publisher:** ACM Press

Full text available: pdf(3.83 MB) Additional Information: full citation, abstract, references, citings, index terms

Following an extended period of development, with more than half a dozen iterations, a standard for APL was not long ago adopted for use within IBM. In this paper we offer some highlights of our experience in this development process, as well as an appendix containing the technical matter in the standard itself. If a standards effort should get under way in the wider APL community, this experience and its work product may perhaps be found useful, and it is offered here in recognition of thi ...

12 Third Generation Computer Systems

Peter J. Denning

December 1971 **ACM Computing Surveys (CSUR)**, Volume 3 Issue 4

**Publisher:** ACM Press

Full text available: pdf(3.52 MB) Additional Information: full citation, abstract, references, citings, index terms

The common features of third generation operating systems are surveyed from a general view, with emphasis on the common abstractions that constitute at least the basis for a "theory" of operating systems. Properties of specific systems are not discussed except where examples are useful. The technical aspects of issues and concepts are stressed, the nontechnical aspects mentioned only briefly. A perfunctory knowledge of third generation systems is presumed.

13 The office of the future: a unified approach to image-based modeling and spatially immersive displays

Ramesh Raskar, Greg Welch, Matt Cutts, Adam Lake, Lev Stesin, Henry Fuchs

July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

**Publisher:** ACM Press

Full text available: pdf(2.00 MB) Additional Information: full citation, references, citings, index terms

**Keywords**: autocalibration, calibration, depth, display, image-based modeling, image-based rendering, intensity blending, projection, range, reflectance, spatially immersive display, virtual environments

14 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

December 1998 **Working Group reports of the 3rd annual SIGCSE/SIGCUE ITiCSE conference on Integrating technology into computer science education**

**Publisher:** ACM Press

Full text available: pdf(107.98 KB) Additional Information: full citation, references, citings, index terms

15 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

October 1998 **ACM SIGCUE Outlook**, Volume 26 Issue 4

**Publisher:** ACM Press

Full text available: pdf(2.23 MB) Additional Information: full citation, abstract, references, index terms

The goal of this working group was to collect, evaluate, and foster the development of resources to serve as components of both new and revised traditional courses that emphasize object-oriented software development using Java. These courses could, for example, integrate Internet-based distributed programming, concurrency, database programming, graphics and visualization, human interface design and object-oriented development. They could therefore also be suitable as capstone courses in computer ...

16 Recovering binary class relationships: putting icing on the UML cake

Yann-Gaël Guéhéneuc, Hervé Albin-Amiot

October 2004 **ACM SIGPLAN Notices , Proceedings of the 19th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '04**, Volume 39 Issue 10

**Publisher:** ACM Press

Full text available: pdf(239.69 KB) Additional Information: full citation, abstract, references, index terms

A discontinuity exists between object-oriented modeling and programming languages. This discontinuity arises from ambiguous concepts in modeling languages and a lack of corresponding concepts in programming languages. It is particularly acute for binary class relationships---association, aggregation, and composition. It hinders the traceability between software implementation and design, thus hampering software analysis. We propose consensual definitions of the binary class relationships with ...

**Keywords**: UML, binary class relationships, consensual definitions, design-implementation discontinuity, detection algorithms, formalisations, java, minimal properties

17 Java resources for computer science instruction

Joseph Bergin, Thomas L. Naps, Constance G. Bland, Stephen J. Hartley, Mark A. Holliday, Pamela B. Lawhead, John Lewis, Myles F. McNally, Christopher H. Nevison, Cheng Ng, George J. Pothering, Tommi Teräsvirta

December 1998 **ACM SIGCSE Bulletin**, Volume 30 Issue 4

**Publisher:** ACM Press
Full text available: pdf(2.29 MB) Additional Information: full citation, abstract, citings, index terms

The goal of this working group was to collect, evaluate, and foster the development of resources to serve as components of both new and revised traditional courses that emphasize object-oriented software development using Java. These courses could, for example, integrate Internet-based distributed programming, concurrency, database programming, graphics and visualization, human interface design and object-oriented development. They could therefore also be suitable as capstone courses in computer ...

18 A virtual class calculus

Erik Ernst, Klaus Ostermann, William R. Cook
January 2006 **ACM SIGPLAN Notices , Conference record of the 33rd ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '06**, Volume 41 Issue 1
**Publisher:** ACM Press
Full text available: pdf(199.96 KB) Additional Information: full citation, abstract, references, index terms

*Virtual classes* are class-valued attributes of objects. Like virtual methods, virtual classes are defined in an object's class and may be redefined within subclasses. They resemble inner classes, which are also defined within a class, but virtual classes are accessed through object *instances*, not as static components of a class. When used as types, virtual classes depend upon object identity -- each object instance introduces a new family of virtual class types. Virtual classes sup ...

**Keywords**: soundness, virtual classes

19 Symbolic mathematical computation

Stephen Wolfram
April 1985 **Communications of the ACM**, Volume 28 Issue 4
**Publisher:** ACM Press
Full text available: pdf(564.45 KB) Additional Information: full citation, abstract, references, index terms, review

Standard programming languages are inadequate for the kind of symbolic mathematical computations that theoretical physicists need to perform. Higher mathematics systems like SMP address this problem.

20 The SAGE graphics architecture

Michael Deering, David Naegle
July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques SIGGRAPH '02**, Volume 21 Issue 3
**Publisher:** ACM Press
Full text available: pdf(17.26 MB) Additional Information: full citation, abstract, references, citings, index terms

The Scalable, Advanced Graphics Environment (SAGE) is a new high-end, multi-chip rendering architecture. Each single SAGE board can render in excess of 80 million fully lit, textured, anti-aliased triangles per second. SAGE brings high quality antialiasing filters to video rate hardware for the first time. To achieve this, the concept of a frame buffer is replaced by a fully double-buffered sample buffer of between 1 and 16 non-uniformly placed samples per final output pixel. The video output ra ...

**Keywords**: anti-aliasing, frame buffer algorithms, graphics hardware, graphics systems, hardware systems, rendering hardware, video



The ACM Portal is published by the Association for Computing Machinery. Copyright © 2006 ACM, Inc.
Terms of Usage Privacy Policy Code of Ethics Contact Us

Results for "(((gamma <and> correction <and> primitive <and> filter))<in>metadata)"

e-mail printer friendly

Your search matched **0** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

**Modify Search**

(((gamma <and> correction <and> primitive <and> filter))<in>metadata) Search

☐ Check to search only within this results set

**Display Format:** ◉ Citation ○ Citation & Abstract

» Key

| | |
|---|---|
| IEEE JNL | IEEE Journal or Magazine |
| IEE JNL | IEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEE CNF | IEE Conference Proceeding |
| IEEE STD | IEEE Standard |

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.



Indexed by Inspec

© Copyright 2006 IEEE – All Rights Reserved

Results for "(((gamma <and> correction <and> primitive <and> antialias))<in>metadata)"

e-mail printer friendly

Your search matched **0** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

**» Search Options**

View Session History

New Search

**Modify Search**

(((gamma <and> correction <and> primitive <and> antialias))<in>metadata) Search

Check to search only within this results set

**Display Format:** Citation Citation & Abstract

**» Key**

| | |
|---|---|
| IEEE JNL | IEEE Journal or Magazine |
| IEE JNL | IEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEE CNF | IEE Conference Proceeding |
| IEEE STD | IEEE Standard |

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.



Indexed by Inspec

© Copyright 2006 IEEE – All Rights Reserved

Results for "(((gamma <and> correction <and> primitive <and> anti-alias))<in>metadata)"

e-mail printer friendly

Your search matched **0** documents.

A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

» Search Options

View Session History

New Search

**Modify Search**

(((gamma <and> correction <and> primitive <and> anti-alias))<in>metadata) Search

☐ Check to search only within this results set

**Display Format:** ◉ Citation ○ Citation & Abstract

» Key

| | |
|---|---|
| IEEE JNL | IEEE Journal or Magazine |
| IEE JNL | IEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEE CNF | IEE Conference Proceeding |
| IEEE STD | IEEE Standard |

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.



Indexed by Inspec

© Copyright 2006 IEEE – All Rights Reserved

Results for "(((gamma <and> correction <and> primitive <and> coverage))<in>metadata)"
Your search matched **0** documents.
A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.

e-mail printer friendly

» Search Options

View Session History

New Search

**Modify Search**

(((gamma <and> correction <and> primitive <and> coverage))<in>metadata) Search

☐ Check to search only within this results set

**Display Format:** ◉ Citation ○ Citation & Abstract

» Key

| | |
|---|---|
| IEEE JNL | IEEE Journal or Magazine |
| IEE JNL | IEE Journal or Magazine |
| IEEE CNF | IEEE Conference Proceeding |
| IEE CNF | IEE Conference Proceeding |
| IEEE STD | IEEE Standard |

**No results were found.**

Please edit your search criteria and try again. Refer to the Help pages if you need assistance revising your search.



Indexed by Inspec

© Copyright 2006 IEEE – All Rights Reserved